



Client Ref.: C2260/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Cevc, et al.)	Examiner: Not yet assigned
Serial No:	09/890,335)	Art Unit: Not yet assigned
Filed:	July 26, 2001)	Certificate of Mailing Under §1.10
Title:	NONINVASIVE VACCINATION THROUGH THE SKIN)))))	I, Patricia Muñoz, hereby certify that this pape or fee is being deposited with the United State Postal Service as Express Mail, Mailing Labe EL 989 436 955 US Post Office to Addressee service under 37 C.F.R. § 1.10 on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.
)	Date: 12-30-03 By: Patricia Munoz

<u>INFORMATION DISCLOSURE STATEMENT</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant requests that the information on the attached Form PTO-1449 be considered by the Office during the pendency of the above-entitled application, pursuant to 37 C.F.R. 1.97. In accordance with 37 C.F.R. 1.97(h), the filing of the Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). Please note that certain of these references were cited in the International Search Report on the International Preliminary Examination Report for PCT/EP00/00597 which is the PCT application upon which this United States National filing is

Attorney Docket No. 009848-0272495

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based. In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the standards of materiality defined in C.F.R. 1.56(b), enacted March 16, 1992, as amended September 8, 2000, and may merely be technical background which may be of interest to the Examiner.

In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Since no Office Action has issued, Applicants believe that no fee is due in connection with the filing of this Information Disclosure Statement. However, please charge any fees that may be necessary to Deposit Account No. 50-2212, Order No. 009848-0272495.

Respectfully submitted,

Date: <u>December 30, 2003</u>

Suzanne L. Biggs

Registration No. 30,158

PILLSBURY WINTHROP LLP 11682 El Camino Real, Suite 200

San Diego, CA 92130

Telephone: (858) 509-4022 Fax Line: (858) 509-4010





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TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following:

- 1. Information Disclosure Statement;
- 2. Form PTO-1449 with cited references; and
- 3. Return Postcard.

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		Cevc, G. Drug delivery across the skin. Exp. Opin. Invest. Drugs (1997) 6: 1887- 1937. Cevc, G., et al., Transfersomes, liposomes and other lipid suspensions on the skin: permeation enhancement, vesicle penetration, and transdermal drug delivery; Critical Reviews in Therapeutic Drug Carrier Systems, 13(3-4):257-388 (1996)															
		Cevc, G., et al Permeation Resis Mammalian Skin.	stance	and Tr	anspor	t Therapeu	tic Am	nounts of Ins	sulin		ct		-				
		Deng, H., et a 1388-1390	., Sust	ainable	e cutan	eous gene	delive	ery, Nature I	Biote	echnology (1997) 15:						
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		Glenn, G.M., 6 391(6670):851 (2	t al., S	kin imi	nunisa												
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DEC. 3 0 201	B CS	Paul, A., et al., Non-invasive administration of protein antigens. Transdermal immunisation with the bovine serum albumin in transfersomes, Vaccine Res. (1995) 4: 145-164			
3.		Paul, A., et al., Transdermal immunisation with large proteins by means of ultradeformable drug carriers. Eur. J. Immunol. (1995) 25: 3521 -3524			
TRADE		Schätzlein, A., et al., Non-uniform cellular packing of the stratum corneum and permeability barrier function of intact skin: a high-resolution confocal laser scanning microscopy study using highly deformable vesicles (Transfersomes), Br. J. Dermatol. (1998) 138: 583-592	,		
		Strange, P., et al., Staphylococcal enterotoxin B applied on intact normal and intact atopic skin induces dermatoma, Arch. Dermatol. (1996) 132: 27-33.			
		Wang, L.F., et al., Epicutaneous exposure of protein antigen induces a predominant Th2-like response with IgE production in mice, J. Immunol. (1996) 156: 4079-4082.			
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.